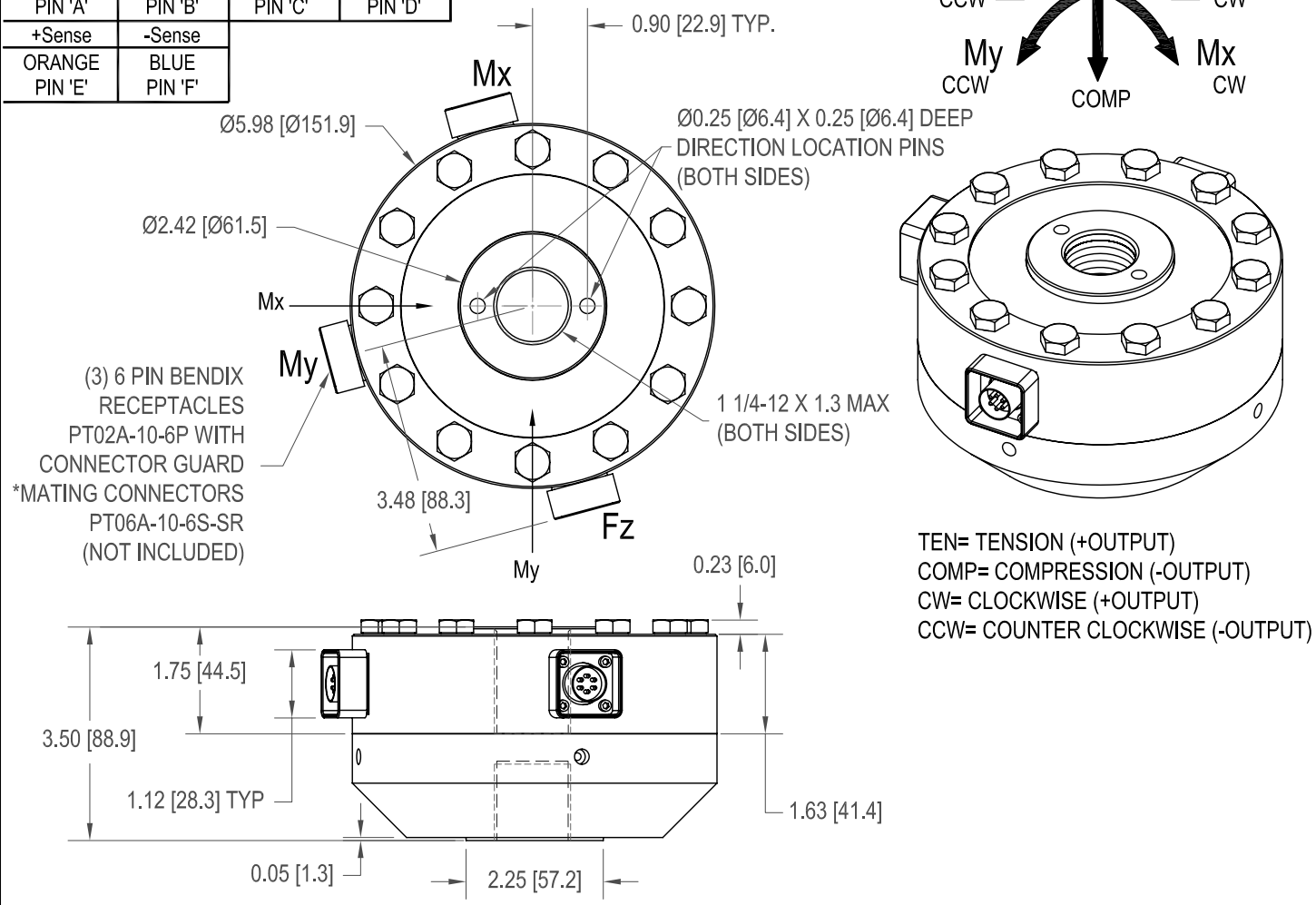
FUTEK MODEL MTA505

LOW PROFILE THRUST AND MOMENT LOAD CELL

Drawing Number: FI1288-B	
INCH [mm]	R.O.= Rated Output

WIRING CODE (CC1)			
+Excitation	-Excitation	+Signal	-Signal
RED PIN 'A'	BLACK PIN 'B'	GREEN PIN 'C'	WHITE PIN 'D'
+Sense	-Sense		
ORANGE PIN 'E'	BLUE PIN 'F'		



TEN= TENSION (+OUTPUT)
COMP= COMPRESSION (-OUTPUT)
CW= CLOCKWISE (+OUTPUT)
CCW= COUNTER CLOCKWISE (-OUTPUT)

SPECIFICATIONS:

RATED OUTPUT	*SEE CHART*
CAPACITY	*SEE CHART*
SAFE OVERLOAD	*150% of R.O.*
ZERO BALANCE	*±2% of R.O.*
EXCITATION (VDC OR VAC)	*18 MAX*
BRIDGE RESISTANCE	*350 Ω nom.*
NONLINEARITY (Mx, My)	*±0.5% of R.O.*
NONLINEARITY (Fz)	*±0.2% of R.O.*
CROSS TALK	*±2% of R.O. OR LESS*
TEMP. SHIFT ZERO	*±0.01% of R.O./°F (0.018% of R.O./°C)*
TEMP. SHIFT SPAN	*±0.01% of LOAD/°F (0.018% of LOAD/°C)*
COMPENSATED TEMP.	*60 to 160°F (15 to 72°C)*
OPERATING TEMP.	*-65 to 200°F (-50 to 93°C)*
MATERIAL	*17- 4 ph S.S.*
WEIGHT	*20 lb [9.3 kg]*

CONNECTOR: (3) 6 Pin BENDIX Receptacle (PT02A-10-6P)
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (STD)	*5pt. COMPRESSION, CW ; SEE CHART FOR SHUNT CAL. VALUE*
CALIBRATION (OPTIONAL)	*5 pt. TENSION, CCW*
CALIBRATION TEST EXCITATION	*10 VDC*

ITEM #	CAPACITY lb (Fz)	CAPACITY in-lb (Mx, My)	RATED OUTPUT mV/V (Fz)	RATED OUTPUT mV/V (Mx, My)	SHUNT KΩ (Fz)	SHUNT KΩ (Mx, My)
FSH02453	10,000	2000	2.5	0.5	43.575	301
FSH02727	25,000	10,000	4	2	30	60.4

FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

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